

Fig. 1

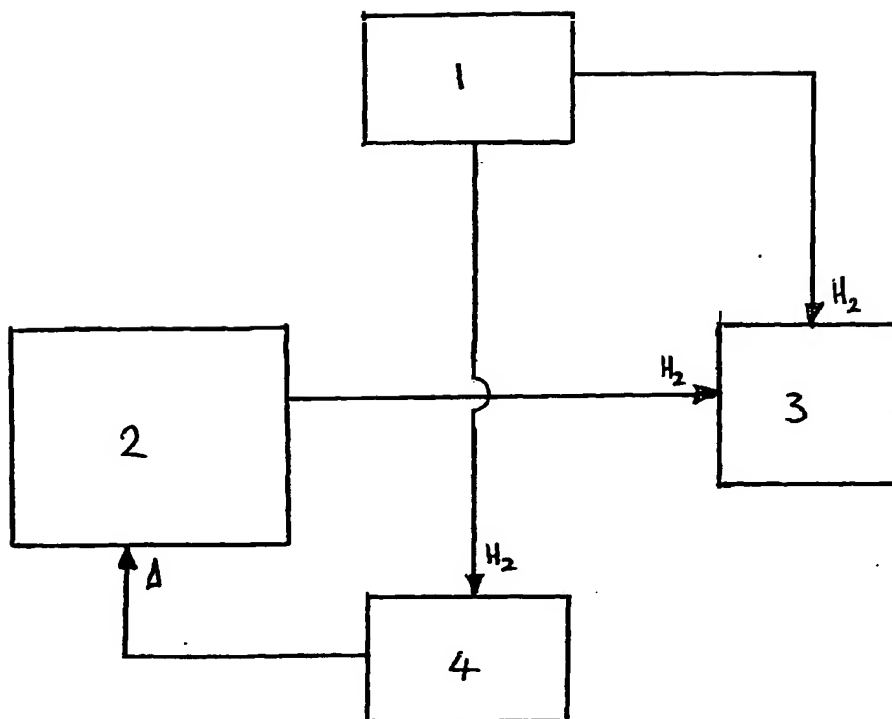


Fig. 2

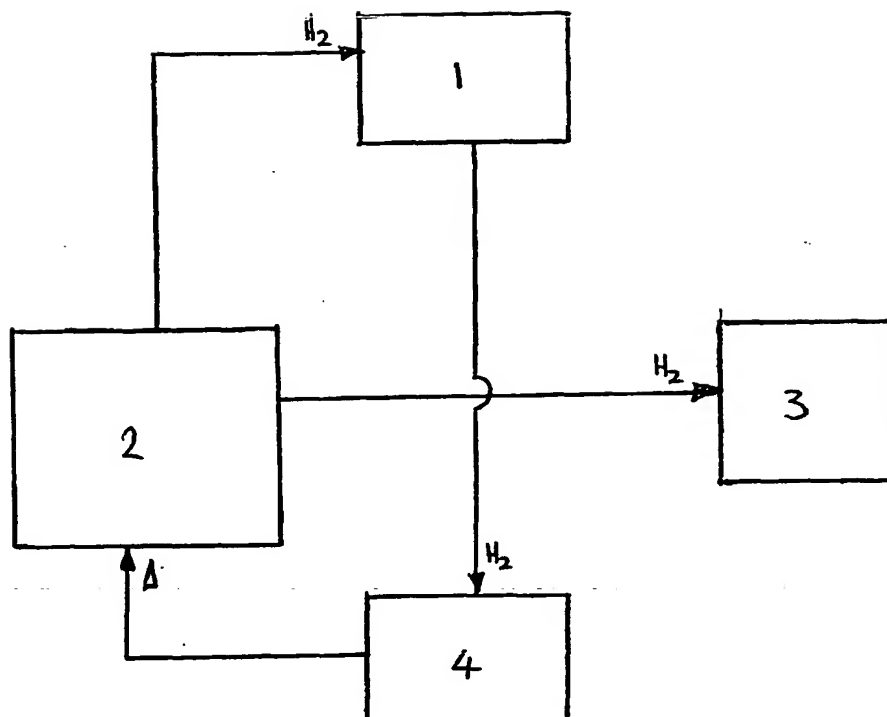


Fig. 3

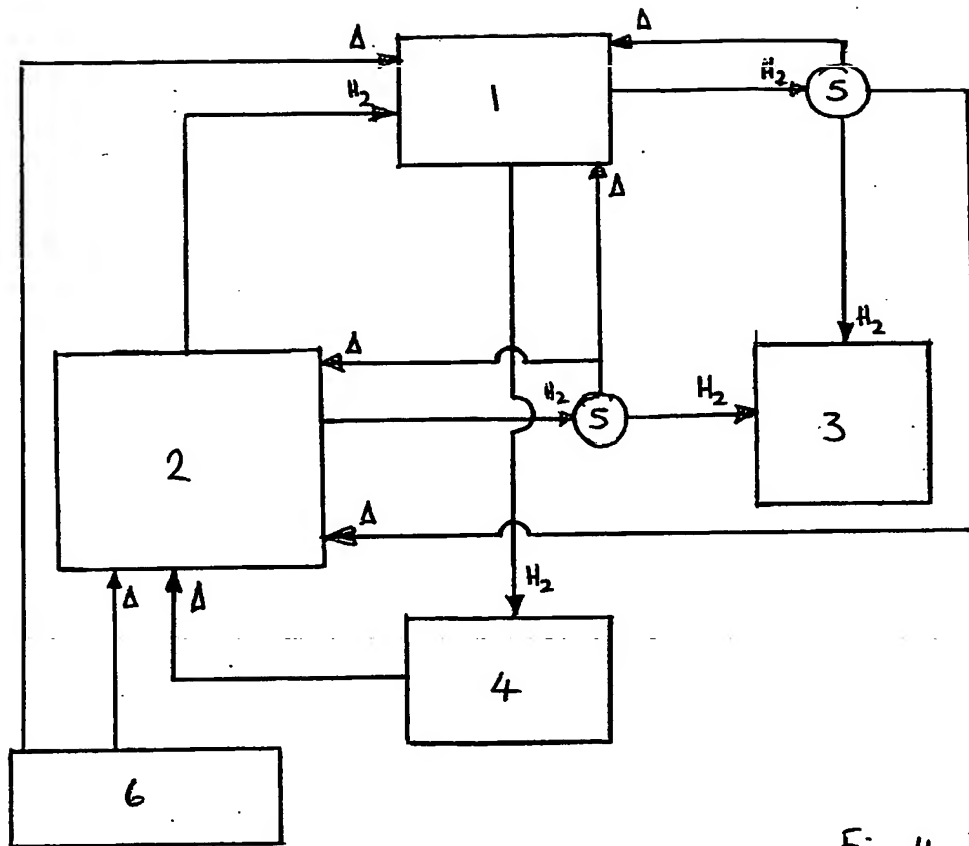


Fig. 4

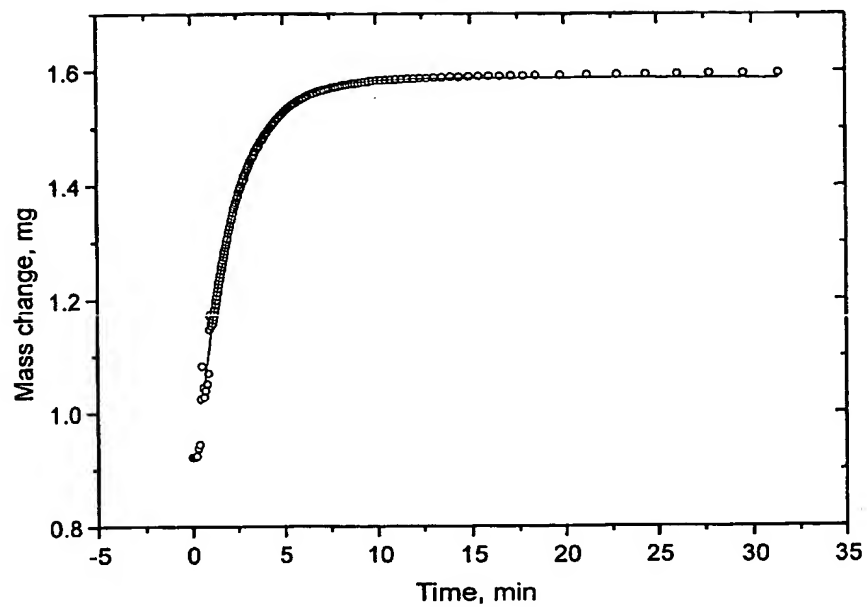


Figure 5

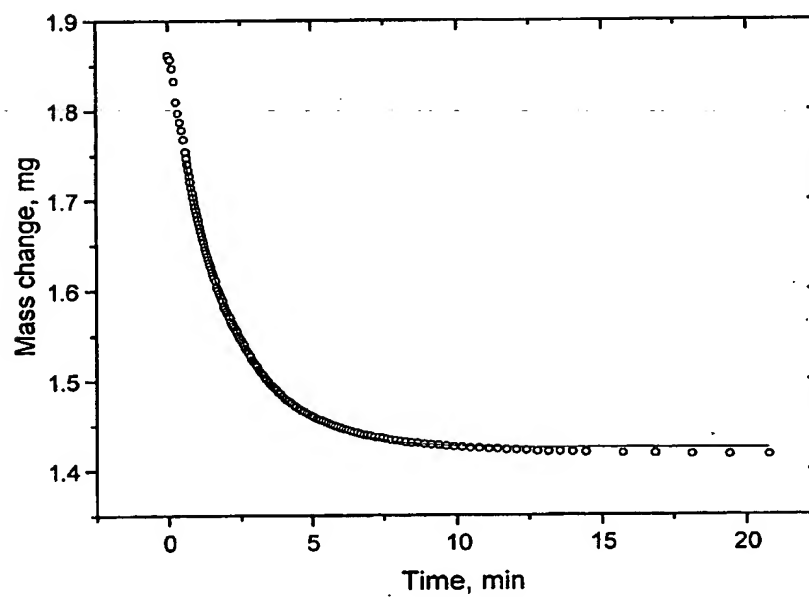


Figure 6

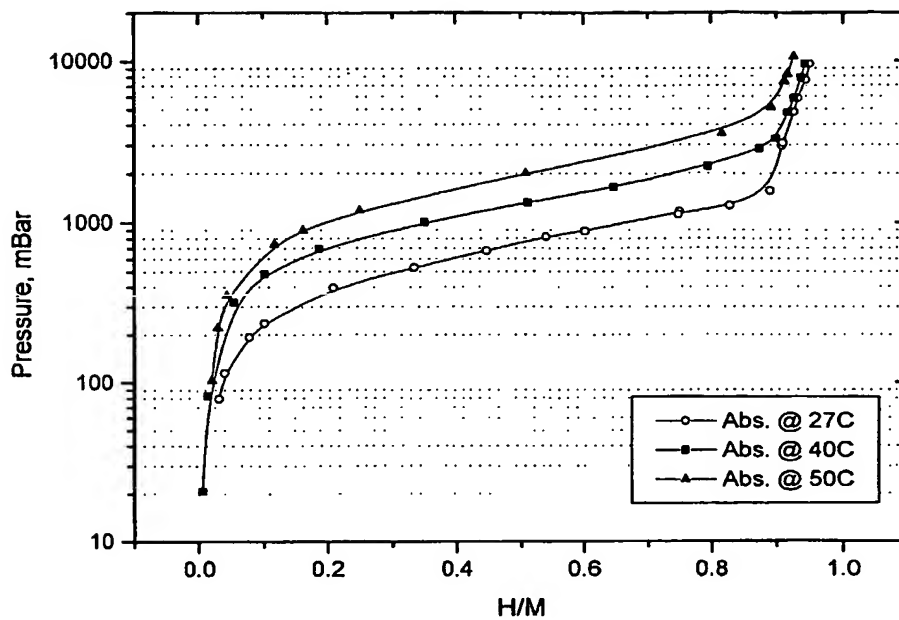


Figure 7

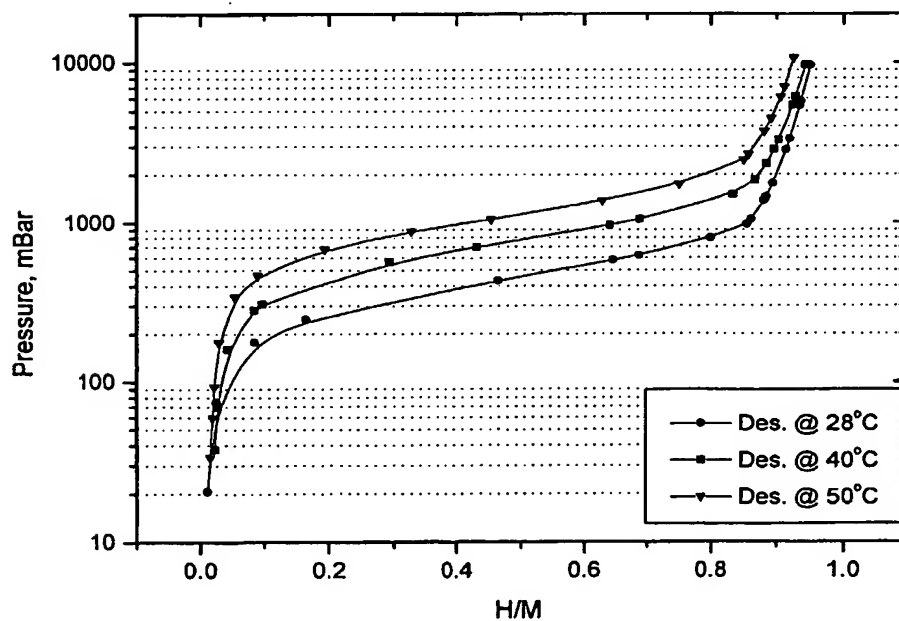


Figure 8

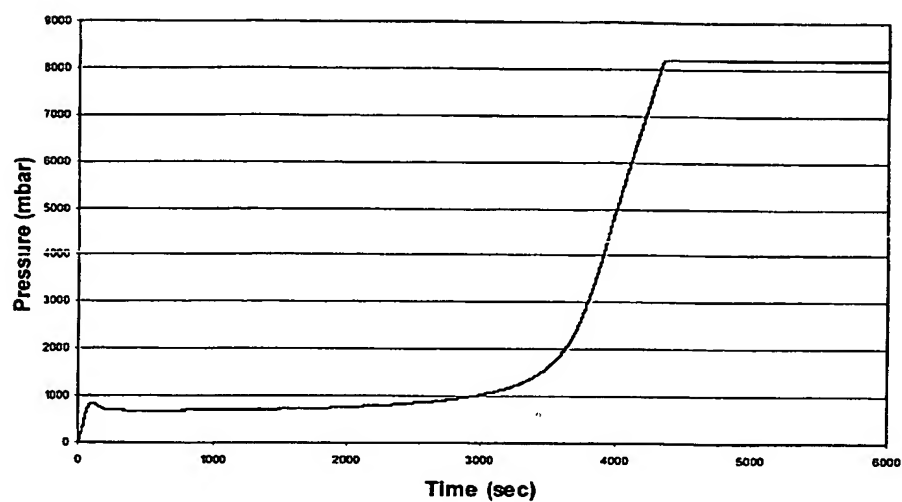
**Hydrogenation of  $\text{MgH}_2$ -1wt% Ni at 300C, 25 sccm  $\text{H}_2$** 

Figure 9

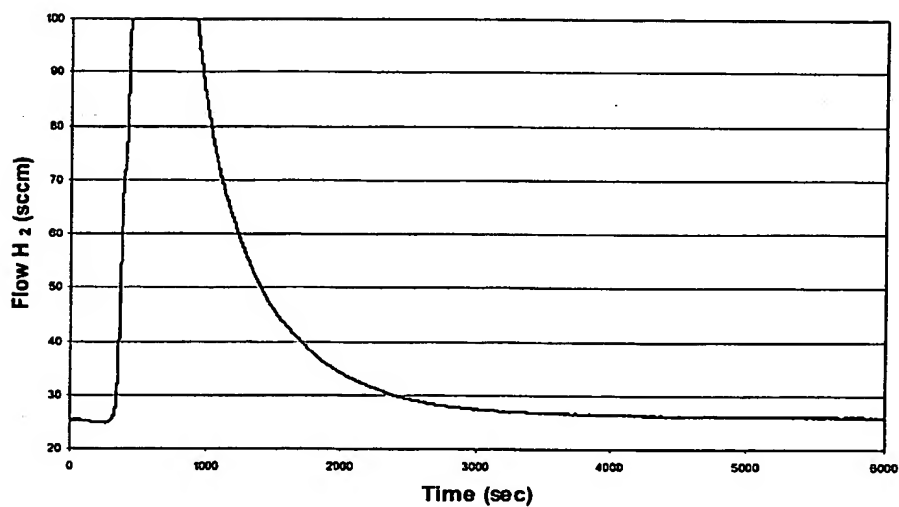
**Dehydrogenation of  $\text{MgH}_2$ -1wt% Ni at 300C, 25 sccm  $\text{H}_2$** 

Figure 10